



## **BIOINFORMATICIAN POSITION**

The Proteomics Unit from Universidad Complutense of Madrid seeks for a bioinformatician. The applier should have a degree in biology (or similar) and knowledge of informatics or present a degree in informatics with knowledge of biology, and be able to work in different proteomic projects of the biomedicine field.

### **Basic Qualifications**

Degree in biology (or similar) or informatics

Knowledge of biostatistics

Experience in bioinformatics

High English level

### **Additional Qualifications**

Practical and theoretical knowledge of proteomics

Experience in proteomic data analysis

### **Information about the role / Specific responsibilities**

1. Mass spectrometry data analysis from shotgun proteomics and its statistical treatment: *e.g.*, protein/peptide filtering; data selection (FDR) for quantification using different programming packages such as "R".
2. Bioinformatic and statistical analyses from mass spectrometry data obtained using targeted proteomic approaches. For that, knowledge of "skyline" software is important.
3. Proteomic analysis of posttranslational modifications
4. Functional analysis of proteomic data:
  - a. Functional classification and gene ontology enrichments
  - b. Pathway analysis (Cell Illustrator, Ingenuity Pathway Analysis, KEGG)
  - c. Protein-protein interactions networks (Cytoscape, Osprey and String)
5. Collaboration in tasks of service and quality management (ISO 9001-2008)
6. Workflow development for the Proteomics Unit using new bioinformatic tools available for proteomic data processing.

For more information contact:

Concha Gil [conchagil@ucm.es](mailto:conchagil@ucm.es) ;

+34 913941743

UNIDAD DE PROTEÓMICA, FACULTAD DE FARMACIA, PLAZA DE RAMÓN Y CAJAL S/N, 28040 MADRID